

Art Unit: 3744

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- In claim line 7, a comma (,) has been inserted between the words “water” and “the”; and the recitation "the low temperature of less than" has been changed to recite --the low temperature *is* less than--.

Allowable Subject Matter

2. Claims 1-7 and 10-19 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record teach all the limitations of claims 1, 13 and 18 except for "the steam-extraction system (10) is comprised of a compressor to compress said extracted steam and inject the compressed steam into a dedicated exchanger unit so that said compressed steam acquires a temperature and a pressure suitable for power co-generation." The prior art of record (Kramer, US 6,827,135) discloses a high flux heat removal system that includes a heat transfer plate (10) that is cooled by spraying water via an array of nozzles (22) within a vacuum tank (refer to figure 1), but not that "the steam-extraction system (10) is comprised of a compressor to compress said extracted steam and inject the compressed steam into a dedicated exchanger unit so that said compressed steam acquires a temperature and a pressure suitable for power co-generation." Although it is well known to provide a high flux heat removal system that includes a heat transfer plate that is cooled by spraying water via an array of nozzles within a vacuum tank, there is no teaching in the prior art of record that would, reasonably and absent impermissible hindsight, motivate one having ordinary skill in the art to modify the teachings of the prior art to incorporate a steam-extraction system (10) that is comprised of a compressor to compress said extracted steam and